# Recombinant Rat Fgf1 protein, His & GST-tagged

**Cat. No.** Fgf1-631R **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Rat Fgf1 (P61149) aa. (Phe16~Asp155) fused with N-terminal His & GST tag was produced in E. coli cells. |
| **Species** | Rat |
| **Source** | E.coli |
| **ProteinLength** | Phe16~Asp155 |
| **Description** | May play a role in neurite outgrowth; may regulate cell differentiation in the nervous system; may act in synergy with fibronectin to enhance neuronal cell adhesion. |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 47.8kDa |
| **Endotoxin** | <1.0EU per 1μg (determined by the LAL method) |
| **Purity** | > 95% |
| **Characteristic** | The isoelectric point is 6.4. |
| **Applications** | SDS-PAGE; WB; ELISA; IP. |
| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by |

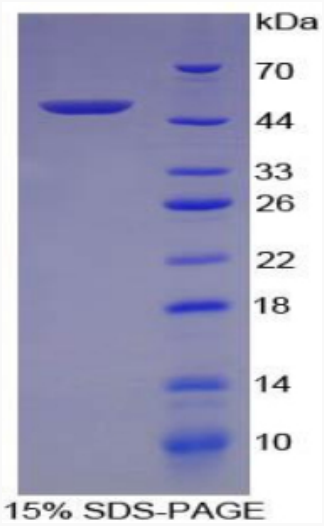
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| | accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| **Storage buffer** | PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl. |
| **Reconstitution** | Reconstitute in sterile PBS, pH7.2-pH7.4 |

## GENE INFORMATION

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| **Gene Name** | Fgf1 fibroblast growth factor 1 [ Rattus norvegicus (Norway rat) ] |
| **Official Symbol** | Fgf1 |
| **Synonyms** | Fgf1; fibroblast growth factor 1; FGF-1; HBGF1; HBGF-1; Fibroblast growth factor 1 (heparin binding); aFGF; acidic fibroblast growth factor; fibroblast growth factor 1 (acidic); heparin-binding growth factor 1 |
| **Gene ID** | 25317 |
| **mRNA Refseq** | NM_012846.1 |
| **Protein Refseq** | NP_036978.1 |
| **UniProt ID** | P61149 |

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| **SDS-PAGE** | <br>15% SDS-PAGE |

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